

## T502C685M025AG6110

T502, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 6.8 uF, 20%, 25 VDC, SMD, MnO<sub>2</sub>, Un-Encapsulated, High Temperature, 230C, N/A, 1.9 Ohms, 6032, Height Max = 2.8mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



Click [here](#) for the 3D model.

### Dimensions

Footprint	6032
L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
H	2.5mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
A	2.9mm MIN
B	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

### General Information

Series	T502
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Un-Encapsulated, High Temperature, 230C
Features	230C
RoHS	Yes
Termination	Gold
AEC-Q200	No
Component Weight	214 mg
Shelf Life	156 Weeks
MSL	1

### Specifications

Capacitance	6.8 uF
Capacitance Tolerance	20%
Voltage DC	25 VDC (85C), 20.5 VDC (125C), 8.25 VDC (230C)
Temperature Range	-55/+230°C
Rated Temperature	85°C
Humidity	85C, 85% RH, 0 V, 500 Hours
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
Resistance	1.9 Ohms (100kHz 25C)
Ripple Current	271 mA (rms, 100kHz 45C)
Leakage Current	1.7 uA (5min 25°C)

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